

From owner-qrp-l@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: dgf@netcom.com (David Feldman)
Subject: [10104] 40-9er lithium 9V batt @ Rat Shack
Message-ID: <199606201836.LAA29121@netcom2.netcom.com>

While in Rat Shack today (6/20, Denver) the salesman told me batteries were 25% off, so I picked up some of the 9V lithiums, regularly \$7, for \$5.25 each. I don't know how widespread or long-lived the sale is, but that's the cheapest I've found 9V lithiums.

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-l@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: 20-Jun-1996 0928 <randolph@asic.ENET.dec.com>
Subject: [10091] Afterburner part II
Message-ID: <9606201401.AA13960@us4rnc.pko.dec.com>

QRPers,

A couple of folks e-mailed me asking about the amp I mentioned here. I can make up a schematic in Postscript format pretty easily if that's ok with everyone. I'll have to figure out how to upload it to the archive area... This isn't a kit! It's just a neat, simple circuit that's works very well, if you don't mind taking the trouble to build from scratch. If anyone's interested, let me know and I'll get the schematic done...

Here's a description:

It's a push-pull CW (no SSB) amplifier using two GE switching transistors. 1W in gets you 4W out (perfect QRP amp) w/ 12V supply voltage, and about 18W out (nice QRO ability) with 24V supply voltage, about 50% efficient. There are 2 transistors, 10 toroids, 10 caps, 2 resistors, 1 fuse, and 1 diode, plus misc. hardware. The particular transistors I used are high-voltage switchers, which make the amp fairly indestructable. I've transmitted into an open circuit with no damage. These transistors have an fT of 50 MHz, so the gain of the amp would drop off considerably above about 10 MHz, but should be fine on 160m-30m. I put in a single harmonic filter that's adequate at both 40m and 30m, you could rig up any harmonic filtering and/or switching you like. Total cost should be in the \$10-\$40 range, depending on how well stocked your junk box is. Similar cheap switching transistors could be substituted for better bandwidth or easier availability - I think GE stopped making the D44C12's, I found 'em at a ham flea market. The basic circuit is right out of "Solid State Design for the Radio Amateur" by Hayward and DeMaw.

=====
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@est.enet.dec.com
=====

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: "Michael & D.K. Guess which one!" <birgym@inet.uni-c.dk>
Subject: [10083] Baltimore MD and Washington D.C. .where to find parts??????
Message-ID: <2FE70982.161A@inet.uni-c.dk>

Dear Fellow QRP'rs,

I have a very good friend here in Denmark who travels to the Washington D.C. and Baltimore area several times a year and he is an avid homebrewer of qrp gear.

There are parts (like toroid cores and crystals) that are either impossible to locate here in Denmark or cost more than the little mermaid! He has visited a few Radio Shacks in the D.C. area but has been dissapointed in the results.

If you know of any good parts places in the Baltimore or Washington D.C.area PLEASE e-mail me the names and addresses (phone # if you have it). It would be best if they are "walk-in", that is if you can walk in off the street as opposed to mail order.

Thank you for your time and consideration,

D.K. Philbin
OZ2DKP & KD6TK
Birkerod, Denmark
ar722@cleveland.freenet.edu

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Pete Rossi <wa3nna@resuba.com>
Subject: [10082] Field Day
Message-ID: <199606200423.AAA01779@resuba.com>

If things go well over the next 2 days, I expect to give Field Day 1996 another try from the beaches of Ocean City NJ with my OHR400, battery, and kite antenna. Regulations do not allow me to stay on the beach after dark so operation on 80 will be limited.. if at all.

Will check the QRP freqencies often but expect to be all over the band calling whatever I hear..

See you all there.

Pete Rossi - WA3NNA 1B SNJ
wa3nna@resuba.com

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: wa5whn@ix.netcom.com (Jay Miller)
Subject: [10086] Field Day Geo-Magnetic/Solar Forecast/Probabilities
Message-ID: <199606201240.FAA21688@dfw-ix9.ix.netcom.com>

Dear Fellow QRP ARRL Field Day Compadres,

<http://www.sel.bldrdoc.gov/forecast.html>

Looks like we may have a Geo-Magnetic Storm & some C-class solar flares, for Field Day. Let's keep checking 6, 10 & 15 meters throughout the Field Day Period (1800 UTC, 22 June + 24 hours). Even Sporadic "E", would be fun on all 3 of these bands.

T - 2 days until Field Day.

de WA5WHN 1A NM K

PS We may become WB5LYJ 1A NM , She is the Boss :-)

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: scicior@cp.uswc.uswest.com (Steve Ciciora)
Subject: [10109] Ground Rods (again)
Message-ID: <9606202201.AA01284@sp5-316.nts.uswest.com>

O.K., on the advice of the net, I started to put in a 20' ground rod 7' into the ground (A 40m Hamstick will sit on the top, with a few ground radials at the base). To make life just a little more difficult, the ground rod will be hidden behind our deck (covenant, you know). Used a 20' copper pipe with a garden hose on the other end. Worked like a champ!---- for the first 3 feet. Took it out, tried at an angle, and got about 4 feet before hitting another rock. Then started raining and I didn't want to be holding a 20' copper ground rod in a rain storm. Any suggestions when I try again this weekend (on how to avoid rocks)?

Thanks for your time,

-Steven Ciciora

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Bob Patten <n4bp@shadow.net>
Subject: [10103] Guano Reef Bashful Perverts' Field Day
Message-ID: <Pine.SOL.3.91.960620130015.25102A-100000@hyper>

Well, the Bashful Perverts aren't making it to Guano Reef this year - my other two ops both cancelled on me so will do what I can from home...

To make it seem like Field Day, I'm at least getting out of the ham shack and setting up on the kitchen table :) I'll be 1E with a battery powered TS-130V. Logging will be done on a Leading Edge notebook with NA software, also battery powered. And to add to the effect of "roughing it", nighttime operation will be by the light of a Coleman lantern - flourescent and also battery powered.
If 10M opens, count on finding N4BP there... Good luck to all!

Bob Patten, N4BP
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [10112] Listen for me
Message-ID: <9606210009.AA07352@flowserver.stem.com>

Well folks, I'll be winging my way to France on field day, but if things go well, my license will be waiting for me when I get to my apartment in Lyon. Anyone needing France qrp listen for me on 80/40/20...it could happen...weirder things have...See you all in August when I get back...looking forward to the KC-2...and anyone who wants to help me rebuild an r390...

73 de dave, n9uxu

=====

David J Adams	N9UXU QRP-L #83
dave@flowserver.stem.com	NorCal QRP #1442
(415) 813-5028	Flow Cytometry Specialist

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: rwcreekm@ncsa.uiuc.edu
Subject: [10087] Need address for UY0YU
Message-ID: <v01510101adee4fbe27a5@[128.254.136.246]>

Just worked this one on 20M QTH is Chernivtis but is not in my 95 Callbook.
May be in the 96 Callbook?

TNX es 72/73

Bill KG2DP

Bill Creekmore
FMC Corporation
P.O. Box 8
Princeton, NJ 08543
609-951-3454
Fax 609 951 3835

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: James Bennett <james@research.nj.nec.com>
Subject: [10092] NJ-QRP club FD
Message-ID: <199606201441.KAA03101@shakti.nj.nec.com>

The New Jersey QRP club will operate Field day from the Princeton, NJ
area. Callsign will be WK8G/2 and class is 1A-Battery.
Thanks
James Bennett KA5DVS/2

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: [10116] please post list of QRP FD stations.
Message-ID: <199606210109.SAA13683@dfw-ix1.ix.netcom.com>

Could someone please send me or post the latest list of QRP field day
stations? I'm leaving tomorrow for the mountains, and would like a
copy before departing.

Thanks!

- Jeff

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: KY2P@aol.com
Subject: [10118] QRP....and Tennessee
Message-ID: <960620222444_221822215@emout08.mail.aol.com>

Hello QRP-L members:

Belatedly, I'd like to say thanks to all of you that we met in person at the Dallas Ham-Com this month . We really had a good show and were surprised at the amount of commentary we had on the QRP survey which so many of you graciously returned to us.

I'm typing this just to let you know what's cooking regarding QRP and Ten-Tec's T-Kit division.

As I had mentioned in an earlier message, based on the response from our survey and the generally large interest in QRP operating, we decided to jump in with our kits and offer a 40 meter QRP CW only transceiver in kit form, to come out later this summer. Well, after much discussion at T-T, and the response to the earlier message, we decided to expand the scope of what we wanted to offer for QRP kits. So....at this point it looks like we are going to be coming out with QRP single band transceivers for 20, 30, 40, and 80 meter CW use. We'd like to offer them hopefully all at the same time, so it will most likely be the end of the summer before they are finished and added to the T-Kit program.

If you'd like to visit us online, our web page address is:
<http://www.mvangel.com/ten-tec>

Unfortunately, we still do not have a direct email address. Soon to be rectified! I am sending this message via my home AOL account.

Thanks again to Chuck K5F0 and all of you!

73 - Scott Robbins, KY2P, Ten-Tec, Inc., Sales Dept.

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996

From: John E Hunt <johnh@mdhost.cse.tek.com>
Subject: [10100] Tektronix help
Message-ID: <199606201645.JAA17389@mbddoc8.cse.tek.com>

For those looking for Tektronix information, Tektronix is on the web:

<http://www.tek.com/>

They also have an 800 number, check the web site.

They also have many local field offices.

John K7SII

From owner-qrp-l@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: ji3m@scubed.com (James R. Duffey)
Subject: [10090] Using a 40 M loop on 80 M
Message-ID: <v02130501adef0609d76b@[192.31.66.229]>

L.B.-Excellent post as always. One item which I cannot resist commenting on though=8A

>=8A80 meters, of course, is out for any
>closed loop 40 meter antenna.

Well not really. You can use a 40 M closed loop on 80M as a vertical antenna. It is best to feed the antenna with ladder line for this, but not absolutely necessary.

Tie the two feeder wires together and feed against 2 or more 1/4 wave radials or a counterpoise (preferred) or against your ground (this will result in reduced efficiency). You can make your life easier as far as feeding the antenna by trying to get the length of the antenna past where you tie the feeders together a multiple of 1/4 wavelength on 80. It will have a very high reactance at multiples of 1/2 wavelength, but it can be easily tuned with an L match. This arrangement works best if the feed point and counterpoise or radials are 10 feet or so above ground. I have done this in the shack though with acceptable results. By the way this technique is not limited to loops. It will work fine with a G5RV on 80M and 160M, or a 80M dipole on 160M. One can easily think of other combinations; a 20 M loop on 40M as an example.

The loop is really quite a versatile antenna. I like mine.-Duffey

James R. Duffey

Principal Scientist
Maxwell Laboratories/Federal Systems and Services Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Charles Cashion <ccashion@sun1336.spd.dsccc.com>
Subject: [10095] vanity calls
Message-ID: <9606201529.AA01993@sun1336.spd.dsccc.com>

Guys...
My application has only been gone for 9 days.
Really too early to expect results.

But I keep wondering....Why did the 610-V NOT
request a xerox copy of a sheet out of an old
call book which would show that I once held
the call requested?

Ob-qrp: NorTex will hold FD at Point North in
Plano day-after-tomorrow. If anyone is in the
area, please feel free to participate. You-all
will receive a Texas welcome.

72s, 73s, whatever it takes,
Charles (color me anxious) Cashion, AC5GT

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: thom.lacosta@fido261.qis.net (Thom LaCosta)
Subject: [10101] vanity calls
Message-ID: <fec_9606201247@fido261.qis.net>

Brian Mileschosky wrote in a message to All:

BM> From: n5zgt@swcp.com (Brian Mileschosky)
BM> Subject: Re: vanity calls

BM> At 10:29 AM 6/20/96 -0500, Charles Cashion wrote:
>Guys...
>My application has only been gone for 9 days.

>Really too early to expect results.

Mine was mailed 5/31/96 via the postal service in a two day pouch. Yesterday when I finally got through to Gettysburg, there was no action on it...being paranoid, or with the Post Office being cautious, I asked the person if they had actually received the application.

The lady couldn't look it up, as the 'computer was down'...but urged me to call back Thursday AM(today) after 9AM to see if the application had made it into the offic/system.

Great Pleasent Surprize...K3HRN is mine again, after being off the air for approx 25 years, letting my license lapse, having to bone up on the theory, regs and listening to cw on some terrible 'el cheapo' general coverage receiver.

So....it is with GREAT pleasure that I inform all that N3WDV is no longer assigned to anybody (g).

>

Thom LaCosta

K3HRN

thom@fido261.qis.net

Our Business is Business

--

|Fidonet: Thom LaCosta 1:261/1352

|Internet: thom.lacosta@fido261.qis.net

|Standard disclaimer: Take a Naugha to Lunch today YOU pay the bill!

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996

From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)

Subject: [10085] Wire Dipoles

Message-ID: <v01510100adeeee30275a0@[132.235.72.11]>

Gang,

The age-old question has arisen and I haven't the answer. (What else is new...?) When constructing a wire dipole with INSULATED #12 wire, I know that it has a velocity factor that makes it resonate lower than an UNINSULATED wire of the same length.

Example: (Using the formula for one leg of a dipole $234/\text{Freq}=\text{Feet}$)

An UNinsulated wire 16' 6" is 'sposed to resonate at about 14.18 mhz. However if you cut an INSulated wire 16' 6" it resonates lower because of the insulated covering.

There was an article on this somewhere. Anyone have a clue on the difference in resonance frequency that it makes? Is it significant?

```
*****
*                               Greg Weinfurtner AEE BSS *
*      NN      N      SSSSSSS  88888888  00000000  Electronic Design Splst *
*      N N     N      S          8      8  0      0  Ohio University   Athens *
*      N N     N      SSSSSSS  88888888  0      0  GO BOBCATS! *
*      N  N N          S      8      8  0      0 *
*      N      NN      SSSSSSS  88888888  00000000 *
*
*                               Can thou send forth lightnings *
*                               that they may go and say unto *
*                               thee, 'Here we are'? Job 38:35 *
*      weinfurtner@ouvaxa.cats.ohiou.edu *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****
```

From owner-qrp-l@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Stan Skelton <sskelton@cln.etc.bc.ca>
Subject: [10094] WW II Foxhole Radio (fwd)
Message-ID: <Pine.3.89.9606200719.A26906-01000000@sparky>

I know this was a while ago and I forgot which maillist it was on, so sorry for dups, but a couple of people expressed interest in "foxhole" radio rx's and wanted to know where to get the "blue" blades...Here's the author's e-mail address if you want some..
TtFn....Stan T.M. VE7 SKT QRP-L #34

----- Forwarded message -----
From owner-qrp-l@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: ab4el <ab4el@nando.net>
Subject: [10108] RE: About Field Day "at home"
Message-ID: <199606202132.RAA10333@parsifal.nando.net>

Folks!

I hope you all will forgive the length of this post and it's quoting of off-line messages.

The other day I saw Preston mention that a "Field Day at Home" could be category "A"...and I wrote to him saying I thought it was category "E". Anyway, last year when I did it this way (see what follows), I classified myself as "1E" ..all emergency

power at home.

I stand corrected.

And my express purpose in posting the following is to encourage those who might not do Field Day this year...for whatever reason...to consider that you can do it from "home" in what is traditional field day style.

Read on:

[FIRST Preston's REPLY TO MY OPINION]

>Date: Wed, 19 Jun 1996 08:05:29 -0400
>To: ab4el@nando.net
>Subject: Re: FD at Home

Steve,

I've read the rules very carefully and I don't see anywhere that it says I have to travel any distance from home to qualify for class B or A. I plan to put new, temporary antennas in the trees, using no structures, batteries for all power. I don't believe this is class E, as I am not using any facilities for the station, except the bathrooms! So, I plan to report it accurately and claim class A (three ops). If the contest committee says it's E, then so be it.

72,
Preston WJ2V

[SO I WROTE THIS TO Billy Lund at ARRL-HQ]

>Subject: Field Day "at home"
>To: contest@arrl.org

Billy--

This will resolve a friendly difference of opinion.

Suppose an op invites two friends over to do Field Day. They go out on the **side lawn at home**, erect a tent, put up FRESH antennas, set up the station in the tent, start the generators and go for it. The only thing they use that is part of the house is the bathroom.

Are they 3E or 3A?

[I GOT A REPLY RIGHT BACK...and IT'S OFFICIAL!]

```
> Date: Thu, 20 Jun 1996 09:46:00 -0400
> From: "Lunt, Billy, KR1R" <blunt@arrl.org>
> Subject: RE: About Field Day "at home"
> To: ab4el <ab4el@nando.net>
> Cc: "Hutchinson, Chuck, K8CH" <chutchinso@arrl.org>,
>      "Kanode, John (Roanoke Dir)" <n4mm@arrl.org>
> X-Mailer: Worldtalk (NetConnex V4.00a)/MIME
>
>
> Steve,
>
> You would 3A. There isn't any difference in operating from your side yard or
> the open field across the street or down the road, as long as you setup
> everything within the Field day period and do not use any existing antennas,
> etc.
>
> 73,
>
> Billy Lunt, KR1R
> Contest Manager, ARRL
> 860-594-0252
> kr1r@arrl.org
> blunt@arrl.org
> contest@arrl.org
>
```

AB4EL will be doing FD again this year from the "yard."

I will construct and raise my antennas on Saturday morning...hell,
I will do it all Sat. morn.

Except that this year, my entry will be 1B (QRP) and not 1E (QRP)
as was the case last year.

See y'all on the air!

And thank you, Preston!

--

72&73/Steve/AB4EL ab4el@nando.net

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: PDouglas12@aol.com

Subject: [10111] Re: About Field Day "at home"
Message-ID: <960620194638_334612222@emout08.mail.aol.com>

Hey Steve,

You son-of-a-gun! Thanks. Your original note did shake my confidence in my backyard plans. You took the bull by the horns and clarified it for us both, and probably others here on the net. Many thanks. Look for WJ2V 2A or maybe even 3A if things get going. 72, es good job.

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [10115] Re: About Field Day "at home"
Message-ID: <2.2.32.19960619233551.00a68a90@public.compuserve.nf.ca>

Preston and Steve and any other back yard Field Dayers,

No gin-and-tonics, mint juleps etc from the fridge - they got to be "pre-made" and put in the cooler using "real ice" - none of those 12V battery run chest coolers....

Have fun "hick dit dit"

73/72 Bob VO1DRB/WA6ERB

At 19:46 6/20/96 -0400, you wrote:

>Hey Steve,

>

>You son-of-a-gun! Thanks. Your original note did shake my confidence in my
>backyard plans. You took the bull by the horns and clarified it for us both,
>and probably others here on the net. Many thanks. Look for WJ2V 2A or maybe
>even 3A if things get going. 72, es good job.

>

>Preston WJ2V

>

>

Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada
QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP
Internet: rgobrick@nfld.com
bgobrick@nlnet.nf.ca
Compuserve: 70466.1405@compuserve.com

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: N5EM@aol.com
Subject: [10117] Re: About Field Day "at home"
Message-ID: <960620213930_334728642@emout08.mail.aol.com>

In a message dated 96-06-20 20:35:15 EDT, you write:

> none of those 12V
> battery run chest coolers....
>
>

Now you've gone too far. As long as the cooler runs on batteries, it is CLEARLY within the "spirit" of the event :-)

72 and many Q's
Ed

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Jim Hydzik <congress@magpage.com>
Subject: [10114] Re: Alinco DX-70t vs IC-706 2 week test
Message-ID: <199606210027.UAA29441@alaska.magpage.com>

>
> Jim__How do you like your DX-70? Tnx Curt Ka3ivb
>
Hi Curt,

I love it! Especially for QRP and multi-op situations. I spent 2 weeks comparing the DX-70t to the ICOM 706 and chose the Alinco. The 'sound' and ease of use of the receiver were the main reasons, but there are more.

1. Spurious in-band tx-rf noise is very low. With the DX-70t in SSB on one antenna and my FT-101ZD on another resonant antenna only 30 feet apart, you can run both bands simultaneously with only a slight raising of the noise floor. Doing that with the ICOM is nearly impossible. The ICOM has a 12 db increase of white noise over the Alinco making dual inband operation suitable for working only the strong signals. This is very important on Field Day and similar operations where 2 rigs are run on the same band.

2. The Alinco narrow filter position is very effective on SSB and

provides a better S/N performance than that of the IC-706. Performance differences are noticeable on both strong adjacent signals and very weak signals.

3. The H/Low power switch permits either 5/50 Watts or 10/100 Watts. The 5 watt position was dead on on my lab meter.

4. I ran the IC-706 at ten watts until the rig quit using a 12V/6.5 amp gell cell. Squeezed a little more rec. time out of it until it quit again. The battery was then put on the Alinco and ran another 2 ten watt QSO's and 30 more minutes of rec. before it quit. The DX-70t will run well at lower voltages.

5. The multifuntion knob makes the Alinco easier to use than any compact radio I've ever tested. It makes band hopping and frequency changing so easy that you won't be crying about no keypad entry.

6. The fan is quiet.

7. Maybe it's my imagination, but the receiver internal noise seems a little lower in the Alinco. Since most of my operation is QRP and hunting for QRP stations is an everyday activity, the ability to copy the weak sigs on 20 meters on my quiet horizontal loop was tested extensively. The Alinco won.

8. AM TX sounds better on the Alinco...says everyone on 160 & 75 mtrs.

9. AM RX (wide) is a beautiful 9 Khz wide and sounds FB on the 12" Hammarlund speaker from the HQ-129x.

10. Residual hiss into the Sony 8 ohn stereo headphones is less on the Alinco with the volume set low.

General Comments. Make no mistake, I liked both rigs and would be satisfied with either one, especially in mobile where the tighter Alinco receiver equals the better Icom noise blanker. If your not into QRP, the 100 watts on 6 meters might be appealing but I stay at ten watts max anyways. The 706's internal keyer is fine and can be used with the microphones up/dn keys if needed. A memory keyer is used on this end for both home and mobile use making the keyer a non-issue. I liked the sound of the Alinco's full QSK at any speed over the IC-706. It's as smooth as a late production Paragon.

Please keep in mind that all evaluation was geared towards 6-160 mtr QRP operation and the 2-meter end of the 706 wasn't even used. If both rigs were the same price, I'd still choose the Alinco for RX and feel. When the Alinco was purchased, the free remote kit and mtg. bracket were sent for and used. The Alinco's strain relief of the remote cable is good and an old MC-80a Kenwood microphone worked perfect. Even the up and down buttons

work. That means that mic extension cables from Kenwood work as well if you have one. All RX testing was done on resonant antennas at less than 1.3:1 VSWR to avoid differences due to mismatch capabilities with high/low Z antennas. The cables from the 2 position switch were switched several times to check for loss errors.

If you're going to run with a big Field Day operation (like NARC-NH) and have to run on a band that's running both SSB and CW, I hope the other rig is a DX-70t. You'll hear a lot more QRP stations.

Yes, I paid full price for the Alinco. No regrets Jim K3QIO in TMPS starved Delaware

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: WJ4PRandy@aol.com
Subject: [10106] Re: Gap Antennas-Titan Vertical, etc.
Message-ID: <960620153505_418293370@emout10.mail.aol.com>

Sorry guys,

DOUGH!!

Let me try that again...
What I meant to say was -

...I only had to add about 18 inches of wire to the extended loop wire in order to make it resonant on 40 mtrs. ...

Hope this is a clearer statement!!

73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [10105] Re: Guano Reef Bashful Perverts' Field Day
Message-ID: <199606201846.LAA06150@dancris.com>

At 01:07 PM 6/20/96 -0400, you wrote:

>To make it seem like Field Day, I'm at least getting out of the ham shack
>and setting up on the kitchen table :) I'll be 1E with a battery powered
>TS-130V. Logging will be done on a Leading Edge notebook with NA

>software, also battery powered. And to add to the effect of "roughing
>it", nighttime operation will be by the light of a Coleman lantern -
>flourescent and also battery powered.

Didn't they tell you that, in order to be really 'afield', you have to open
all the doors and windows and let the bugs in? :^)

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Bob Patten <n4bp@shadow.net>
Subject: [10107] Re: Guano Reef Bashful Perverts' Field Day
Message-ID: <Pine.SOL.3.91.960620173123.6163B-100000@hyper>

On Thu, 20 Jun 1996, Bob Hightower wrote:

> At 01:07 PM 6/20/96 -0400, you wrote:
> >software, also battery powered. And to add to the effect of "roughing
> >it", nighttime operation will be by the light of a Coleman lantern -
> >flourescent and also battery powered.
>
> Didn't they tell you that, in order to be really 'afield', you have to open
> all the doors and windows and let the bugs in? :^)
Bugs? In the Florida swampland? But that would let the air conditioning
out!

Bob Patten, N4BP
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: DLShips@aol.com
Subject: [10084] Re: info QRP in U.S.A. pse !!!
Message-ID: <960620073043_333956330@emout08.mail.aol.com>

In a message dated 96-06-19 17:27:54 EDT, ea4aon@ea4rct.clubs.etsit.upm.es
writes:

>please send me adress for obtain the
>catalog, and price outside USA.

Hi Javi,

Do you know anyone who has a QST magazine ? Where are you located ?

Don

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [10089] Re: Last Call: QRP FD '96 list (as of 6/17)
Message-ID: <199606201351.GAA00626@dancris.com>

At 03:33 PM 6/17/96 EDT, you wrote:

> (set your reader to a fixed-space font)

>

>

>

>

>

>

>

QRP Field Day, as of 6/17

I'm forwarding the info on the South Jersey (NJ) Radio Association to be added to the list for field day. I know many of the folks are already on the way out, but, please add:

K2AA Operating from Medford NJ either 5A or 6A, with Novice/Tech using call N2XYZ.

I'm the unofficial guru for the Novice/Tech station at TRIARC, and asked for other Novice/Tech stations to forward me their calls so we can look for them. Looks like we will have a good N/T turnout, so hope to work them all :^).
73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: "Robert J. Gobrick" <rgobrick@nflld.com>
Subject: [10113] Re: MXM Simple Transceiver Info ???
Message-ID: <2.2.32.19960619232517.00a5c728@public.compusult.nf.ca>

Hi Peter,

I thought I'd drop you a little note and warn you about American advertizing - hi.

I built one of the early versions of the MXM Simple transceiver and there is really nothing "revolutionary" about the rig. Just your basic NE-602 with mediocre front end rf filtering - one Toko inductor can (you would love that

for 40 meter European broadcast stations - hi). No rf preamp/preselector etc. The rig is DOUBLE CONVERSION and I guess you can say that is the big news but honestly I see no need for a double conversion rig for a mono-bander from my experience. The first IF is at 4 mhz with a 4 pole crystal filter, not so hot MC-3340 IF amplifier and then a second NE-602 Mixer/IF at 455 khz using an inexpensive (and wide) Murata ceramic filter. So two stages of adequate filtering just don't make "fantastic" filtering.

Now your HANDS GQ40 sounds like a nice rig with the highly filtered front end and static mixer. I saw the design in Sprat and KANGA US is carrying the HANDS line. It's a design in the right direction. The closest rig to compare with it in the North American kit market is the Oak Hills Research Spirit/Classic Dualbander/OHR-400 Quad bander which use a "buffer" type rf amp stage before a MiniCircuit static ring mixer - a design I like.

I'm hoping the next "wave" of qrp rigs start looking into the rf amp/static ring mixer approach since as the higher bands 17/15/12/10 start to "come alive" then need for some hotter front ends (for the higher frequencies) will be in demand.

Thanks for the info Peter and if no one has "talked" to you yet I'd sure would like to see you write an article for the QRP Amateur Radio Club International newsletter - the QRP Quarterly - if you want I can "proof read" it for you and "Americanize and/or Canadianize the English translation as much as you would like :^)

Caio 73/72 Bob VO1DRB/WA6ERB

At 05:56 6/18/96 EDT, you wrote:

>Hello fellow QRPers,

>I got my first issue of hambrew mag yesterday and I'm ver surprised. I found an
>anouncing of the MXM Simple Transceiver which looks very interesting to me. Has
>anyone out there some more information about the rig? What type of mixer is it
>using? Preselector built in? What frequencies do the two IFs use? 4 pole / 6
>pole if filter? Whats the revolutionry design they say to have? whats about
>intermodulations (our major problem here in Europe).

>

>Here in the Activity Group QRP Berlin we use a GQ40 from Sheldon Hands as a
>standard to compare - that means 7pole bandpass as a frontend and diode ring
>mixer resulting in extrem good IP3 and in practice one of the best RX we ever
>heard.

>

>Hoping for some infos

>72 de Peter, DL2FI

>

>

> E-mail von: Peter Zenker, 18-Jun-1996

>
>
>

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-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@nfld.com |  
|                bgobrick@nlnet.nf.ca |  
| Compuserve:   70466.1405@compuserve.com |  
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From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [10098] Re: Using a 40 M loop on 80 M
Message-ID: <Pine.SOL.3.91.960620113648.29294F-100000@utkux4.utcc.utk.edu>

Duffey,

Great idea, tying the feed lines together and feeding against radials/counterpoise wires. Of course, in that service, the loop, while working well as a vertical, is no longer working as a loop, which has been the limit of my modeling to this point. The loop acts as a monstrous wire-fattener, which may (speculatively) broaden the antenna performance with slower changes in resistance and reactance at the feedpoint.

One of the features of the delta loop that folks are reminding me of is that when pressed into upright service as a low TO angle vertical, it requires no radials or counterpoise wires. The closed loop geometry provides the vertical low-angle pattern by current/field cancellations of the horizontal components, which result in high angle radiation when allowed to go free. Although a segment-by-segment summation would be tedious, you can see something of the cancellation by examining the currents along the wire and doing a little picture-in-the-head geometry.

However, your message not only points out a good alternative approach to the antenna, it also reminds all readers to be sure to think about not only the numbers of the data, but also of the limiting context within which they are reasonably valid. I suspect that many of the misconceptions that are circulating in amateur radio about antennas stem from remembering numbers and not the contexts of their sensibleness. And that is a mighty good reminder to give hams on any day of the week, but especially just before field day. It is also a good reminder that you can often make something work by changing what it is electrically without necessarily changing how it looks mechanically.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: pelt@vt.edu (Randy Pelt)
Subject: [10097] Re: vanity calls
Message-ID: <v01540b01adeeee9420410@[198.82.152.40]>

>But I keep wondering....Why did the 610-V NOT
>request a xerox copy of a sheet out of an old
>call book which would show that I once held
>the call requested?
>

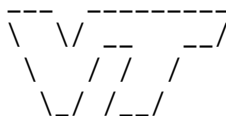
The FCC database has in it your previous calls. I did send a copy of my old license just to be safe. Looking at the daily FCC update activity, it looks like they havn't started tackling requests thorough gate 1 yet. All I see are new licenses and class updates.

It's hard to be patient :-)

72/3

Ranson J. Pelt
pelt@vt.edu
QST de nz4i

Semper Fi



From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: n5zgt@swcp.com (Brian Mileschosky)
Subject: [10099] Re: vanity calls
Message-ID: <199606201548.JAA04729@kitsune.swcp.com>

At 10:29 AM 6/20/96 -0500, Charles Cashion wrote:

>Guys...
>My application has only been gone for 9 days.
>Really too early to expect results.
>

Wow...my Grandfather (KB5SXB) sent his in about 3 weeks ago and still hasn't gotten his old call back (W5RMY). I wonder what's up. If he got it in too early (Which I doubt he did), they should send the check back. I guess it is just collecting dust somewhere...

72,
Brian, N5ZGT

Boy Scouts of America	Amateur Radio - N5ZGT
JASM -Troop 41	ARRL QRP: NorCal# 1700
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [10110] RE: Vanity Calls
Message-ID: <19960620.193049.4799.1.wb2vuo@juno.com>

I sent my 610V in on 31 May, the "Opening Day" for the gate. I was concerned about the lack of instructions on proof of actually having held the call requested, so I called the FCC and asked. What I was told was that by signing the application, I was certifying that I actually was eligible to retrieve the call. If I was less-than-truthful, then it was a fraudulent application, and disciplinary actions could be taken, up to and including forfeiture of my license(s) and a possible monetary forfeiture!

As it is, my application arrived at the FCC on 3 June, and was acted on, and granted on 20 June.

After a "mere" 20 years, I have completed the circle, and am again WB2VUO, a "Very Unusual Operator"...

73, Keith, WB2VUO
wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996

From: Mike Cloud <cloudm@mhsgate.meth-mem.org>
Subject: [10102] RE: Who was that?
Message-ID: <363DC93101172C16@mhsgate.meth-mem.org>

>Date: 19-Jun-96 9:27:39 -0600

>

> From: Mike Robinson <miker@cc.com>

>

>

>Last night about 0400z I called CQ on 10.106

>which I rarely do. Someone came back

>but was very weak. All I could get over the

>noise was N?

>

>Was that anybody here?

>

Hi Mike. I was on abt the same time es worked a station N6MM, vry vry weak hr in Memphis, his RST 119 mine 579. copied he was qrp at 200 mw? Anyway the copy got real shaky es qrm set in.

Looked fer him on our qrp-l list but no one by that call. cul on 30m 73.72 de Mike, KR4IT

From owner-qrp-l@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [10088] RE: Wire Dipoles
Message-ID: <960620093815.25245a15@carib.vf.mmc.com>

Greg,

The insulation does make some difference in wire dipole lengths and I've seen various numbers reported in the range of a couple of percent to maybe 5 percent.

I *just* put up an inverted Vee dipole of 30 meters. The dipole os constructed of 14 ga strended electical wire with the usual thermoplastic insulation. The center is up about 20 feet and the ends droop to about 8-10 feet above ground.

Last night I had a chance to check its resonant point. As is my usual practice, I made it about 5 percent long and measured the lowest SWR point. Then, using the ratio I trimmed the ends until it was resonant in the 30 meter band. I meaure the SWR with my handy-dandy Autek RF Analyst.

The usual rule of thumb for a quarter wave wire antenna is $234/F(\text{MHz})$. (Of course the dipole is towice htis length overall) Anyway, after trimming the antenna to length, and calculating backwards, instead of $243/F(\text{MHz})$, iut came out to $242/F(\text{MHz})$.

So insulation/sminulation, just cut your dipole a little long and hshorten it as needed like I did.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [10093] RE: Wire Dipoles
Message-ID: <960620105945.25245a15@carib.vf.mmc.com>

Gang, whoops again. This danged ocomputer can't reproduce what I want it to say, only what I type in!

My final insulated wire antenna length was $242/F(\text{MHz})$ eahc side of center, less than 1/2 % short of what the rule of thumb formula predicted.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [10096] Re: Wire Dipoles
Message-ID: <Pine.SOL.3.91.960620112508.29294C-1000000@utkux4.utcc.utk.edu>

Greg,

The velocity factor of insulated wire is in the 1-2.5% range for most insulations. It is dependent upon the material and its thickness relative to the wire size. So far as I know, there has not been a thorough study in the amateur literature to give us some guidelines that are reliable. So you might as a general practice, when using insulated wire, cut about to formula and prune back from there.

Even parallel feedline, such as the ubiquitous 300-ohm twinlead and the 450-ohm vinyl covered line with holes have a velocity factor in the 1-2.5% range (in contrast to their use as transmission lines, where the V.F. is higher due to the concentration of the field between the two wires).

Good luck in your antenna building.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
From: brozenske@juno.com (Barrie L Brozenske)
Subject: [10119] Re: Wire Dipoles
Message-ID: <19960620.224333.10558.1.Brozenske@juno.com>

Hi Greg,
I've used both and found the variations due to proximity to objects and ground far outweigh the effect of the insulation on the HF bands.

Here's how I do it;
Cut once a little long by the formula, and put it up. Measure resonance, calculate how much to subtract (or add if you goofed) to get to the frequency you want, by using the formula to calculate the difference in length between what you have and what you want. Change the length by this amount and you are done, right on the frequency you want. This works whether I use insulated or bare wire.

73,
Barrie, K3BUZ

On Thu, 20 Jun 1996 08:28:29 -0300 weinfurtner@ouvaxa.cats.ohiou.edu
(Greg Weinfurtner) writes:

>Gang,
> The age-old question has arisen and I haven't the answer.
>(What
>else is new...?) When constructing a wire dipole with INSULATED #12
>wire,
>I know that it has a velocity factor that makes it resonate lower than
>an
>UNINSULATED wire of the same length.
>
> Example: (Using the formula for one leg of a dipole
>234/Freq=Feet)
>
> An UNinsulated wire 16' 6" is 'sposed to resonate at about
>14.18
>mhz. However if you cut an INSulated wire 16' 6" it resonates lower
>because of the insulated covering.
>

```

>      There was an article on this somewhere. Anyone have a clue on
>the
>difference in resonance frequency that it makes? Is it significant?
>
>*****
>*                                     Greg Weinfurtner AEE
>BSS  *
>*      NN      N  SSSSSSS  8888888  0000000  Electronic Design
>Splst *
>*      N N      N  S          8      8  0      0  Ohio University
>Athens *
>*      N N      N  SSSSSSS  8888888  0      0  GO BOBCATS!
>      *
>*      N  N N          S  8      8  0      0
>      *
>*      N  NN  SSSSSSS  8888888  0000000
>      *
>*                                     Can thou send forth
>lightnings *
>*      Amateur Radio          that they may go and say
>unto      *
>*                                     thee, 'Here we are'? Job
>38:35  *
>*      weinfurtner@ouvaxa.cats.ohiou.edu
>      *
>* http://ouvaxa.cats.ohiou.edu/~weinfurtner
>      *
>*****
>
>
>
>

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From owner-qrp-1@Lehigh.EDU Fri Jun 21 10:31:02 1996
 From: Lance Borden <lborden@gnn.com>
 Subject: WW II Foxhole Radio

Hi Stan!!

I was pleased to see you mention my article on the WW II Foxhole Radio on the W8EDU Ham Radio Projects Page. Thanks for referencing the publication and me. I hope you & your friends enjoy building it. I have a small stock of PAL Blue Blades if anyone needs any.

I have written an article on building a one-tube set that will be in the

fall issue of "ELECTRONICS HANDBOOK."

73s

Lance